

Publications

Key publications

Essential Emergency and Critical Care: A Priority for Health Systems Globally.

Buowari DY, Owoo C, Gupta L, Schell CO, Baker T. Crit Care Clin. 2022 Oct 1;38(4):639–56. <https://www.sciencedirect.com/science/article/pii/S0749070422000422>

Essential Emergency and Critical Care – a consensus among global clinical experts.

Schell CO, Khalid K, Wharton-Smith A, Oliwa J., Sawe H, Roy N, Sanga A, Marshall JC., Rylance J, Hanson C, Kayambankadzanja RK, Jirwe M, Baker, T. BMJ Glob Health. 2021 Sep;6(9):e006585. <https://gh.bmj.com/content/6/9/e006585>

Essential care of critical illness must not be forgotten in the COVID-19 pandemic.

Baker T, Schell CO, Petersen DB, Sawe H, Khalid K, Mndolo S, Rylance J, McAuley DF, Roy N, Marshall J, Wallis L, Molyneux E. The Lancet 2020 Apr 18;395(10232):1253-1254 [https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30793-5/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30793-5/fulltext)

The global need for essential emergency and critical care.

Schell CO, Gerdin Wärnberg M, Hvarfner A, Höög A, Baker U, Castegren M, Baker T. Critical Care. Oct.2018; 22(1): 284. <https://ccforum.biomedcentral.com/articles/10.1186/s13054-018-2219-2>

EECC Related publications

Essential Emergency and Critical Care as a health system response to critical illness and the COVID19 pandemic: What does it cost?

Guinness L, Kairu A, Kuwawenaruwa A, Khalid K, Awadh K, Were V, et al. Pre-print Research Square; 2022. <http://europepmc.org/abstract/PPR/PPR491226>

Towards definitions of critical illness and critical care using concept analysis.

Kayambankadzanja R., Schell CO, Wärnberg MG, Tamras T, Mollazadegan H, Holmberg M, Molsted Alvesson H. & Baker T. BMJ Open 2022, 12(9), e060972.

The State of Critical Care Provision in Low-Resource Environments. Biccard BM, Baker T, Mabedi D, Waweru-Siika W. Anesthesia and Analgesia. 2022;134(5):926-9

Stark choices: exploring health sector costs of policy responses to COVID-19 in low-income and middle-income countries. Torres-Rueda S, Sweeney S, Bozzani F, Naylor NR, Baker T, Pearson C, et al. BMJ Glob Health. 2021;6(12).

Resource availability, utilisation and cost in the provision of critical care in Tanzania: a protocol for a systematic review. Kazibwe J, Shah HA, Kuwawenaruwa A, Schell CO, Khalid K, Tran PB, et al. *BMJ open*. 2021;11(8):e050881.

Unmet need of essential treatments for critical illness in Malawi

Kayambankadzanja RK, Schell CO, Mbingwani I, Mndolo SK, Castegren M, Baker T.. *PLoS One*. 2021 Sep 10;16(9):e0256361. DOI: [10.1371/journal.pone.0256361](https://doi.org/10.1371/journal.pone.0256361)

Oxygen provision to severely ill COVID-19 patients at the peak of the 2020 pandemic in a Swedish district hospital: medical records-based cohort study.

Hvarfner A, AlDjaber A, Ekstrom H, Enarsson M, Castegren M, Baker T, Schell CO. *PLoS One*. 2022 Jan 20;17(1):e0249984. doi: 10.1371/journal.pone.0249984.

Establishment of a high dependency unit in Malawi. Morton B, N Banda, E Nsomba, C Ngoliwa, S Antoine, J Gondwe, F Limbani, MYR Henrion, J Chirombo, Baker T, P Kamalo, C Phiri, L Masamba, T Phiri, KS Mndolo, SB Gordon, J Rylance. *BMJ Global Health* 2020; 5(11): e004041.

The use of antibiotics in the intensive care unit of a tertiary hospital in Malawi.

Kayambankadzanja RK, Lihaka M, Barratt-Due A, Kachingwe M, Kumwenda W, Lester R, Bilima S, Eriksen J, Baker T. *BMC Infectious Diseases*. 2020.20(1):776

Emergency and critical care services in Malawi: Findings from a nationwide survey of health facilities.

Kayambankadzanja RK, Likaka A, Mndolo SK, Chatsika GS, Umar E, Baker T. *Malawi Medical Journal* 2020; 32(1): 259-63.

Vital Signs Directed Therapy for the critically ill: improved adherence to the treatment protocol two years after implementation in an intensive care unit in Tanzania.

Hvarfner A, Blixt J, Schell CO, Castegren M, Lugazia E, Mulungu M, Litorp H, Baker T. *Emergency Medicine International*. 2020: 6. doi/org10.1155/2020/4819805

The prevalence and outcomes of sepsis in adult patients in two hospitals in Malawi.

Kayambankadzanja RK, Schell CO, Namboya F, Phiri T, Banda-Katha G, Mndolo SK, Bauleni A, Castegren M, Baker T. *American Journal of Tropical Medicine and Hygiene*. 2019. doi.org/ 10.4269/ajtmh.19-0320

Referral and admission to intensive care: a qualitative study of doctors' practices in a Tanzanian university hospital.

Engdahl Mtango S, Lugazia E, Baker U, Johansson Y, Baker T. *PLoS One*. 2019; 14(10): e0224355.

Inability to walk predicts death among adult patients in hospitals in Malawi.

Kayambankadzanja,RK, Schell CO, Nsanjama G, Mbingwani I, Mndolo SK, Rylance J, Baker T. *Emergency Medicine International*. 2019; 5. doi.org/10.1155/2019/6586891

Global Critical Care: add essentials to the roadmap. Schell CO, Beane A, Kazidule R, Khalid K, Haniffa R, Baker T. *Annals of Global Health*. 2019; 85(1):97

Critical care of tropical disease in low income countries: Report from the Task Force on Tropical Diseases by the World Federation of Societies of Intensive and Critical Care Medicine.

Baker T, Khalid K, Acicbe O, McGloughlin S, Amin P; J Crit Care. 2017 Dec;42:351-354. doi: 10.1016/j.jcrrc.2017.11.028

Critical care in Malawi: The ethics of beneficence and justice. Manda-Taylor L, Mndolo S, Baker T. Malawi medical journal : the journal of Medical Association of Malawi. 2017;29(3):268-71.

Derivation and validation of a universal vital assessment (UVA) score: a tool for predicting mortality in adult hospitalised patients in sub-Saharan Africa Moore CC, Hazard R, Baker T, et al. BMJ Global Health. 2017; 2: e000344

Global Intensive Care Working Group of the European Society of Intensive Care Medicine. Current challenges in the management of sepsis in ICUs in resource-poor settings and suggestions for the future.Schultz MJ, Dunser MW, Dondorp AM, Adhikari NK, Baker T, et al; Intensive Care Med. 2017;43(5):612-624.

Establishing an Anaesthesia and Intensive Care partnership and aiming for national impact in Tanzania. Ulisubisya M, Jornvall H, Irestedt L, Baker T. Globalization and Health. 2016;12(1):7.

Single Deranged Physiologic Parameters Are Associated With Mortality in a Low-Income Country. Baker T, Blixt J, Lugazia E, et al. Critical Care Medicine. 2015;43(10):2171-2179

Severely deranged vital signs as triggers for acute treatment modifications on an intensive care unit in a low-income country.Schell CO, Castegren M, Lugazia E, Blixt J, Mulungu M, Konrad D, Baker T. BMC Research Notes. 2015;8:313

Critical Care in Low-income Countries.
Baker T. World Anaesthesia News 2014;July:8-11

Emergency and critical care services in Tanzania: a survey of ten hospitals. Baker T, Lugazia E, Eriksen J, Mwafongo V, Irestedt L, Konrad D. BMC Health Services Research 2013;13:140

Identifying resource needs for sepsis care and guideline implementation in the Democratic Republic of the Congo: a cluster survey of 66 hospitals in four eastern provinces. Baelani I, Jochberger S, Laimer T, Rex C, Baker T, Wilson IH, et al. Middle East journal of anaesthesiology. 2012;21(4):559-75

Recommendations for sepsis management in resource-limited settings. Dünser MW, Baker T et al. Intensive Care Med. 2012 Apr;38(4):557-74.

Availability of critical care resources to treat patients with severe sepsis or septic shock in Africa: a self-reported, continent-wide survey of anaesthesia providers Baelani I, Baker T et al. Crit Care 2011;15(1):R10

Critical illness in developing countries: dying in the dark.
Baker T, Schultz MJ, Dünser MW Lancet 2011 Apr 23;377(9775) (Corr)

Nationwide survey on resource availability for implementing current sepsis guidelines in Mongolia. Bataar O, Lundeg G, Tsenddorj, G. Jochberger S. Grander W. Baelani I. Wilson I. Baker T. Dünser M Bull World Health Organ 2010; 88:839–846

Use of an early warning score and ability to walk predicts mortality in medical patients admitted to hospitals in Tanzania. Rylance J, Baker T et al. *Trans R Soc Trop Med Hyg* 2009; 103: 790-794

Pediatric emergency & critical care in low-income countries. Baker T. *Pediatric Anesthesia* 2009;19:23–27

Critical care in low-income countries. Baker T. *Trop Med Int Health* 2009;14(2):143-8.

